RAW SEQUENCE LISTING

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) no errors detected.

Application Serial Number:	10/56/.097
Source:	IFWP.
Date Processed by STIC:	1/3/06
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ENTERED



IFWP

RAW SEQUENCE LISTING DATE: 01/03/2006
PATENT APPLICATION: US/10/561,097 TIME: 11:00:00

Input Set : A:\MER-141-SEQLST.txt

```
4 <110> APPLICANT: BAKER, Matthew
             WATKINS, John
      7 <120> TITLE OF INVENTION: THROMBOPOIETIN PROTEINS WITH IMPROVED
              PROPERTIES
     10 <130> FILE REFERENCE: MER-141
C--> 12 <140> CURRENT APPLICATION NUMBER: US/10/561,097
C--> 13 <141> CURRENT FILING DATE: 2005-12-16
     15 <150> PRIOR APPLICATION NUMBER: PCT/US2004/006887
     16 <151> PRIOR FILING DATE: 2004-06-25
     18 <150> PRIOR APPLICATION NUMBER: EP 03014331.7
     19 <151> PRIOR FILING DATE: 2003-06-26
     21 <160> NUMBER OF SEQ ID NOS: 138
     23 <170> SOFTWARE: FastSEQ for Windows Version 4.0
     25 <210> SEQ ID NO: 1
     26 <211> LENGTH: 174
     27 <212> TYPE: PRT
     28 <213> ORGANISM: Artificial Sequence
     30 <220> FEATURE:
     31 <223> OTHER INFORMATION: Modified human TPO
W--> 33 <221> NAME/KEY: VARIANT
     34 <222> LOCATION: 50, 51, 55, 58
     35 <223> OTHER INFORMATION: X=A or E;
     36
              X=S or W;
     37
              X=A, T, K, S or M;
    38
              X=A or T
W--> 41 <221> VARIANT
     42 <222> LOCATION: 60, 61, 63, 67
     43 <223> OTHER INFORMATION: X=R or A;
              X=A, T or Q;
     44
     45
              X=A, T, or I;
     46
              X=A, T or V
W--> 49 <221> VARIANT
     50 <222> LOCATION: 69, 71, 72, 161
     51 <223> OTHER INFORMATION: X=A, T, S or L;
              X=A or L;
     52
    53
              X=A, S or E;
    54
              X=N, A, T, R, E, D, G, H, P, K, Q or V
W--> 56 <221> VARIANT
    57 <222> LOCATION: 162
    58 <223> OTHER INFORMATION: X=A or P
W--> 60 < 400 > 1
     61 Ser Pro Ala Pro Pro Ala Cys Asp Leu Arg Val Leu Ser Lys Leu Leu
     62 1
                                            10
```

Input Set : A:\MER-141-SEQLST.txt

```
63 Arg Asp Ser His Val Leu His Ser Arg Leu Ser Gln Cys Pro Glu Val
     65 His Pro Leu Pro Thr Pro Val Leu Leu Pro Ala Val Asp Phe Ser Leu
                                   40
W--> 67 Gly Xaa Xaa Lys Thr Gln Xaa Glu Glu Xaa Lys Xaa Xaa Asp Xaa Leu
W--> 69 Gly Ala Xaa Thr Xaa Leu Xaa Xaa Gly Val Met Ala Ala Arg Gly Gln
                           70
                                               75
     71 Leu Gly Pro Thr Cys Leu Ser Ser Leu Leu Gly Gln Leu Ser Gly Gln
                                           90
    73 Val Arg Leu Leu Gly Ala Leu Gln Ser Leu Leu Gly Thr Gln Leu
                  100
                                       105
     75 Pro Pro Gln Gly Arg Thr Thr Ala His Lys Asp Pro Asn Ala Ile Phe
                                   120
     77 Leu Ser Phe Gln His Leu Leu Arg Gly Lys Val Arg Phe Leu Met Leu
                                                   140
     79 Val Gly Gly Ser Thr Leu Cys Val Arg Arg Ala Pro Pro Thr Thr Ala
     80 145
                           150
                                               155
W--> 81 Xaa Xaa Ser Arg Thr Ser Leu Val Leu Thr Leu Asn Glu Leu
                       165
                                          170
     85 <210> SEO ID NO: 2
     86 <211> LENGTH: 27
     87 <212> TYPE: PRT
     88 <213> ORGANISM: homo sapiens
     90 <400> SEQUENCE: 2
     91 Gly Glu Trp Lys Thr Gln Met Glu Glu Thr Lys Ala Gln Asp Ile Leu
     92 1 5
     93 Gly Ala Val Thr Leu Leu Glu Gly Val Met
                   20
                                       25
     97 <210> SEQ ID NO: 3
     98 <211> LENGTH: 15
     99 <212> TYPE: PRT
    100 <213> ORGANISM: homo sapiens
    102 <400> SEQUENCE: 3
    103 Pro Thr Thr Ala Val Pro Ser Arq Thr Ser Leu Val Leu Thr Leu
    107 <210> SEQ ID NO: 4
    108 <211> LENGTH: 332
    109 <212> TYPE: PRT
    110 <213> ORGANISM: homo sapiens
    112 <400> SEQUENCE: 4
    113 Ser Pro Ala Pro Pro Ala Cys Asp Leu Arg Val Leu Ser Lys Leu Leu
    115 Arg Asp Ser His Val Leu His Ser Arg Leu Ser Gln Cys Pro Glu Val
                    20
                                        25
    117 His Pro Leu Pro Thr Pro Val Leu Leu Pro Ala Val Asp Phe Ser Leu
                                    40
    119 Gly Glu Trp Lys Thr Gln Met Glu Glu Thr Lys Ala Gln Asp Ile Leu
    120
                                55
```

Input Set : A:\MER-141-SEQLST.txt

```
121 Gly Ala Val Thr Leu Leu Glu Gly Val Met Ala Ala Arg Gly Gln
122 65
123 Leu Gly Pro Thr Cys Leu Ser Ser Leu Leu Gly Gln Leu Ser Gly Gln
                                       90
                   85
125 Val Arg Leu Leu Gly Ala Leu Gln Ser Leu Leu Gly Thr Gln Leu
                                   105
127 Pro Pro Gln Gly Arg Thr Thr Ala His Lys Asp Pro Asn Ala Ile Phe
          115
                                120
129 Leu Ser Phe Gln His Leu Leu Arg Gly Lys Val Arg Phe Leu Met Leu
    130
                           135
                                                140
131 Val Gly Gly Ser Thr Leu Cys Val Arg Arg Ala Pro Pro Thr Thr Ala
                        150
                                           155
133 Val Pro Ser Arq Thr Ser Leu Val Leu Thr Leu Asn Glu Leu Pro Asn
                   165
                                       170
135 Arg Thr Ser Gly Leu Leu Glu Thr Asn Phe Thr Ala Ser Ala Arg Thr
               180
                                    185
137 Thr Gly Ser Gly Leu Leu Lys Trp Gln Gln Gly Phe Arg Ala Lys Ile
           195
                                200
139 Pro Gly Leu Leu Asn Gln Thr Ser Arg Ser Leu Asp Gln Ile Pro Gly
                           215
141 Tyr Leu Asn Arg Ile His Glu Leu Leu Asn Gly Thr Arg Gly Leu Phe
142 225
                       230
                                           235
143 Pro Gly Pro Ser Arg Arg Thr Leu Gly Ala Pro Asp Ile Ser Ser Gly
                   245
                                       250
145 Thr Ser Asp Thr Gly Ser Leu Pro Pro Asn Leu Gln Pro Gly Tyr Ser
               260
                                   265
                                                        270
147 Pro Ser Pro Thr His Pro Pro Thr Gly Gln Tyr Thr Leu Phe Pro Leu
                                280
149 Pro Pro Thr Leu Pro Thr Pro Val Val Gln Leu His Pro Leu Leu Pro
       290
                            295
                                                300
151 Asp Pro Ser Ala Pro Thr Pro Thr Pro Thr Ser Pro Leu Leu Asn Thr
                        310
                                            315
153 Ser Tyr Thr His Ser Gln Asn Leu Ser Gln Glu Gly
                    325
157 <210> SEQ ID NO: 5
158 <211> LENGTH: 7
159 <212> TYPE: PRT
160 <213> ORGANISM: Artificial Sequence
162 <220> FEATURE:
163 <223> OTHER INFORMATION: Linker peptide
165 <400> SEQUENCE: 5
166 Gly Ser Gly Ser Gly
170 <210> SEQ ID NO: 6
171 <211> LENGTH: 174
172 <212> TYPE: PRT
173 <213> ORGANISM: Artificial Sequence
175 <220> FEATURE:
176 <223> OTHER INFORMATION: Modified human TPO
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Input Set : A:\MER-141-SEQLST.txt

	<400)> SE	COUE	ICE:	6											
179	Ser					Ala	Cys	Asp	Leu	Arq	Val	Leu	Ser	Lys	Leu	Leu
180					5		-	-		10				•	15	
181	Arg	Asp	Ser	His	Val	Leu	His	Ser	Arg	Leu	Ser	Gln	Cys	Pro	Glu	Val
182	_	_		20					25				_	30		
183	His	Pro	Leu	Pro	Thr	Pro	Val	Leu	Leu	Pro	Ala	Val	Asp	Phe	Ser	Leu
184			35					40					45			
185	Gly	Glu	Trp	Lys	Thr	Gln	Met	Glu	Glu	Thr	Lys	Arg	Gln	Asp	Ile	Leu
186		50					55					60				
187	Gly	Ala	Val	Thr	Leu	Leu	Leu	Glu	Gly	Val	Met	Ala	Ala	Arg	Gly	Gln
188						70					75					80
	Leu	Gly	Pro	Thr	Cys	Leu	Ser	Ser	Leu		Gly	Gln	Leu	Ser		Gln
190					85				_	90					95	
	Val	Arg	Leu		Leu	Gly	Ala	Leu		Ser	Leu	Leu	Gly		Gln	Leu
192	_	_		100	_				105	_	_	_	_	110		_,
	Pro	Pro		Gly	Arg	Thr	Thr		Hıs	Lys	Asp	Pro		Ala	шe	Pne
194	T	0	115	01	***	T	T	120	a 1	T	*** 7	7	125	T	M	T
	Leu		Pne	GIN	HIS	ьeu		arg	GIY	гуѕ	vai		Pne	ьeu	мес	Leu
196	Val	130	C1.,	Cor	Thr	T 011	135 Cvc	17-1	7.~~	71 200	הוג	140	Dro	Thr	Thr	מות
	145	GIY	GIY	261	1111	150	Cys	vai	Arg	Arg	155	PIO	PIO	1111	1111	160
	Ala	Pro	Ser	Δra	Thr		T.e.11	Val	T.e.11	Thr		Δan	Glu	T.e.11		100
200	AIG	110	JCI	mry	165	DCI	БСС	Vai	пси	170	cu	11011	01 u	ЦСИ		
	<210)> SI	O TI	NO:												
	<21.															
	<214	2> T)	PE:	PRT												
	<213				Arti	ific:	ial s	Seque	ence							
206		3 > OI	RGAN	ISM:	Arti	ific	ial s	Seque	ence							
206 208	<213	3> OF 0> FF	RGANI EATUI	ISM: RE:				-		ıman	TPO					
206 208 209	<213 <220	3> OF 0> FF 3> O	RGANI EATUI THER	ISM: RE: INFO	ORMA:			-		ıman	TPO					
206 208 209 211	<213 <220 <223	3 > OF 0 > FF 3 > OT 0 > SF	RGANI EATUI THER EQUEI	ISM: RE: INFO NCE:	ORMAT	rion	: Mod	- difie	ed hi			Leu	Ser	Lys	Leu	Leu
206 208 209 211 212 213	<213 <220 <223 <400 Ser 1	3> OF 0> FF 3> OT 0> SF Pro	RGANI EATUI THER EQUEI Ala	ISM: RE: INFO NCE: Pro	ORMAT 7 Pro 5	rion Ala	: Mod	difie Asp	ed hi Leu	Arg 10	Val				15	
206 208 209 211 212 213 214	<213 <220 <223 <400 Ser	3> OF 0> FF 3> OT 0> SF Pro	RGANI EATUI THER EQUEI Ala	ISM: RE: INFO NCE: Pro His	ORMAT 7 Pro 5	rion Ala	: Mod	difie Asp	ed hu Leu Arg	Arg 10	Val			Pro	15	
206 208 209 211 212 213 214 215	<213 <220 <223 <400 Ser 1 Arg	3 > OF 0 > FF 3 > OT 0 > SF Pro Asp	RGANI EATUR THER EQUEN Ala Ser	ISM: RE: INFO NCE: Pro His 20	ORMAT 7 Pro 5 Val	TION Ala Leu	: Moo Cys His	difie Asp Ser	ed hu Leu Arg 25	Arg 10 Leu	Val Ser	Gln	Cys	Pro	15 Glu	Val
206 208 209 211 212 213 214 215 216	<213 <220 <223 <400 Ser 1	3 > OF 0 > FF 3 > OT 0 > SF Pro Asp	RGANI EATUF THER EQUEN Ala Ser Leu	ISM: RE: INFO NCE: Pro His 20	ORMAT 7 Pro 5 Val	TION Ala Leu	: Moo Cys His	Asp Ser Leu	ed hu Leu Arg 25	Arg 10 Leu	Val Ser	Gln	Cys Asp	Pro	15 Glu	Val
206 208 209 211 212 213 214 215 216 217	<213 <220 <223 <400 Ser 1 Arg	3> OB 0> FI 3> OT 0> SI Pro Asp	RGANI EATUF THER EQUEN Ala Ser Leu 35	ISM: RE: INFO NCE: Pro His 20 Pro	ORMAN 7 Pro 5 Val Thr	PION Ala Leu Pro	: Mod Cys His Val	Asp Ser Leu	Leu Arg 25 Leu	Arg 10 Leu Pro	Val Ser Ala	Gln Val	Cys Asp 45	Pro 30 Phe	15 Glu Ser	Val Leu
206 208 209 211 212 213 214 215 216 217 218	<213 <220 <223 <400 Ser 1 Arg His	3> OF FION STATE OF S	RGANI EATUF THER EQUEN Ala Ser Leu 35	ISM: RE: INFO NCE: Pro His 20 Pro	ORMAN 7 Pro 5 Val Thr	PION Ala Leu Pro	: Moo Cys His Val Met	Asp Ser Leu	Leu Arg 25 Leu	Arg 10 Leu Pro	Val Ser Ala	Gln Val Ala	Cys Asp 45	Pro 30 Phe	15 Glu Ser	Val Leu
206 208 209 211 212 213 214 215 216 217 218 219	<213 <220 <400 Ser 1 Arg His	3> OF FI OF STATE OF	RGANI CHER EQUEN Ala Ser Leu 35	ISM: RE: INFO NCE: Pro His 20 Pro	ORMAT 7 Pro 5 Val Thr	FION Ala Leu Pro Gln	Cys His Val Met	Asp Ser Leu 40 Glu	Leu Arg 25 Leu Glu	Arg 10 Leu Pro	Val Ser Ala Lys	Gln Val Ala 60	Cys Asp 45 Gln	Pro 30 Phe Asp	15 Glu Ser Ala	Val Leu Leu
206 208 209 211 212 213 214 215 216 217 218 219 220	<213 <220 <400 Ser 1 Arg His Gly	3> OF FI OF STATE OF	RGANI CHER EQUEN Ala Ser Leu 35	ISM: RE: INFO NCE: Pro His 20 Pro Lys Thr	ORMATORY Fro 5 Val Thr Thr	Ala Leu Pro Gln Leu	Cys His Val Met 55 Leu	Asp Ser Leu 40 Glu	Leu Arg 25 Leu Glu	Arg 10 Leu Pro Thr	Val Ser Ala Lys Met	Gln Val Ala 60 Ala	Cys Asp 45 Gln Ala	Pro 30 Phe Asp	15 Glu Ser Ala	Val Leu Leu
206 208 209 211 212 213 214 215 216 217 218 219 220 221	<213 <220 <400 Ser 1 Arg His Gly Gly 65	3> OF FIDS STATE OF S	RGAND CATUR CHER EQUEN Ala Ser Leu 35 Trp	ISM: RE: INFO NCE: Pro His 20 Pro Lys Thr	ORMATORY 7 Pro 5 Val Thr Thr	Pro Gln Leu 70	Cys His Val Met 55 Leu	Asp Ser Leu 40 Glu	Leu Arg 25 Leu Glu	Arg 10 Leu Pro Thr	Val Ser Ala Lys Met	Gln Val Ala 60 Ala	Cys Asp 45 Gln Ala	Pro 30 Phe Asp	15 Glu Ser Ala Gly	Val Leu Leu Gln 80
206 208 209 211 212 213 214 215 216 217 218 220 221 222	<213 <220 <400 Ser 1 Arg His Gly	3> OF FIDS STATE OF S	RGAND CATUR CHER EQUEN Ala Ser Leu 35 Trp	ISM: RE: INFO NCE: Pro His 20 Pro Lys Thr	ORMATO 7 Pro 5 Val Thr Thr Leu Cys	Pro Gln Leu 70	Cys His Val Met 55 Leu	Asp Ser Leu 40 Glu	Leu Arg 25 Leu Glu	Arg 10 Leu Pro Thr Val Leu	Val Ser Ala Lys Met	Gln Val Ala 60 Ala	Cys Asp 45 Gln Ala	Pro 30 Phe Asp	15 Glu Ser Ala Gly	Val Leu Leu Gln 80
206 208 209 211 212 213 214 215 216 217 218 220 221 222 223	<21: <22: <400 Ser 1 Arg His Gly Gly 65 Leu	3> OF FI OS	RGANI EATUR THER EQUEN Ala Ser Leu 35 Trp Thr	ISM: RE: INFO NCE: Pro His 20 Pro Lys Thr	ORMATORY 7 Pro 5 Val Thr Leu Cys 85	Pro Gln Leu 70 Leu	Cys His Val Met 55 Leu Ser	Asp Ser Leu 40 Glu Glu Ser	Leu Arg 25 Leu Glu Gly Leu	Arg 10 Leu Pro Thr Val Leu 90	Val Ser Ala Lys Met 75 Gly	Gln Val Ala 60 Ala Gln	Cys Asp 45 Gln Ala Leu	Pro 30 Phe Asp Arg	15 Glu Ser Ala Gly Gly 95	Val Leu Leu Gln 80 Gln
206 208 209 211 212 213 214 215 216 217 218 219 220 221 222 223 224	<213 <220 <400 Ser 1 Arg His Gly Gly 65	3> OF FI OS	RGANI EATUR THER EQUEN Ala Ser Leu 35 Trp Thr	ISM: RE: INFO NCE: Pro His 20 Pro Lys Thr Thr	ORMATORY 7 Pro 5 Val Thr Leu Cys 85	Pro Gln Leu 70 Leu	Cys His Val Met 55 Leu Ser	Asp Ser Leu 40 Glu Glu Ser	Leu Arg 25 Leu Glu Gly Leu Gln	Arg 10 Leu Pro Thr Val Leu 90	Val Ser Ala Lys Met 75 Gly	Gln Val Ala 60 Ala Gln	Cys Asp 45 Gln Ala Leu	Pro 30 Phe Asp Arg Ser	15 Glu Ser Ala Gly Gly 95	Val Leu Leu Gln 80 Gln
206 208 209 211 212 213 214 215 216 217 218 229 220 221 222 223 224 225	<21: <220 <400 Ser 1 Arg His Gly Gly 65 Leu Val	3 > OF	EATUR THER EQUENT Ala Ser Leu 35 Trp Thr	ISM: RE: INFO NCE: Pro His 20 Pro Lys Thr Thr Leu 100	ORMATORY 7 Pro 5 Val Thr Leu Cys 85 Leu	PION Ala Leu Pro Gln Leu 70 Leu Gly	Cys His Val Met 55 Leu Ser	Asp Ser Leu 40 Glu Glu Ser Leu	Leu Arg 25 Leu Glu Gly Leu Gln 105	Arg 10 Leu Pro Thr Val Leu 90 Ser	Val Ser Ala Lys Met 75 Gly Leu	Gln Val Ala 60 Ala Gln Leu	Cys Asp 45 Gln Ala Leu Gly	Pro 30 Phe Asp Arg Ser Thr	15 Glu Ser Ala Gly Gly 95 Gln	Val Leu Leu Gln 80 Gln Leu
206 208 209 211 212 213 214 215 216 217 218 219 220 221 222 223 224 225 226	<21: <22: <400 Ser 1 Arg His Gly Gly 65 Leu	3 > OF	EATUR THER EQUENT Ala Ser Leu 35 Trp Thr Pro Leu Gln	ISM: RE: INFO NCE: Pro His 20 Pro Lys Thr Thr Leu 100	ORMATORY 7 Pro 5 Val Thr Leu Cys 85 Leu	PION Ala Leu Pro Gln Leu 70 Leu Gly	Cys His Val Met 55 Leu Ser	Asp Ser Leu 40 Glu Glu Ser Leu Ala	Leu Arg 25 Leu Glu Gly Leu Gln 105	Arg 10 Leu Pro Thr Val Leu 90 Ser	Val Ser Ala Lys Met 75 Gly Leu	Gln Val Ala 60 Ala Gln Leu	Cys Asp 45 Gln Ala Leu Gly	Pro 30 Phe Asp Arg Ser Thr	15 Glu Ser Ala Gly Gly 95 Gln	Val Leu Leu Gln 80 Gln Leu
206 208 209 211 212 213 214 215 216 217 218 229 221 222 223 224 225 226 227	<21: <220 <400 Ser 1 Arg His Gly Gly 65 Leu Val	3 > OH O > FH 3 > OH O > SH Pro Asp Pro Glu 50 Ala Gly Arg	EATURETHER EQUERATE Ala Ser Leu 35 Trp Thr Pro Leu Gln 115	ISM: RE: INFO NCE: Pro His 20 Pro Lys Thr Thr Leu 100 Gly	ORMATORY 7 Pro 5 Val Thr Thr Leu Cys 85 Leu Arg	PION Ala Leu Pro Gln Leu 70 Leu Gly Thr	Cys His Val Met 55 Leu Ser Ala	Asp Ser Leu 40 Glu Glu Ser Leu Ala 120	Leu Arg 25 Leu Glu Gly Leu Gln 105 His	Arg 10 Leu Pro Thr Val Leu 90 Ser	Val Ser Ala Lys Met 75 Gly Leu Asp	Gln Val Ala 60 Ala Gln Leu Pro	Cys Asp 45 Gln Ala Leu Gly Asn 125	Pro 30 Phe Asp Arg Ser Thr 110 Ala	15 Glu Ser Ala Gly Gly 95 Gln Ile	Val Leu Leu Gln 80 Gln Leu Phe
206 208 209 211 212 213 214 215 216 217 218 229 221 222 223 224 225 226 227 228	<21: <220 <400 Ser 1 Arg His Gly Gly 65 Leu Val	3 > OH O > FH 3 > OH O > SH Pro Asp Pro Glu 50 Ala Gly Arg	EATURETHER EQUERATE Ala Ser Leu 35 Trp Thr Pro Leu Gln 115	ISM: RE: INFO NCE: Pro His 20 Pro Lys Thr Thr Leu 100 Gly	ORMATORY 7 Pro 5 Val Thr Thr Leu Cys 85 Leu Arg	PION Ala Leu Pro Gln Leu 70 Leu Gly Thr	Cys His Val Met 55 Leu Ser Ala	Asp Ser Leu 40 Glu Glu Ser Leu Ala 120	Leu Arg 25 Leu Glu Gly Leu Gln 105 His	Arg 10 Leu Pro Thr Val Leu 90 Ser	Val Ser Ala Lys Met 75 Gly Leu Asp	Gln Val Ala 60 Ala Gln Leu Pro	Cys Asp 45 Gln Ala Leu Gly Asn 125	Pro 30 Phe Asp Arg Ser Thr 110 Ala	Ser Ala Gly Gly 95 Gln Ile	Val Leu Leu Gln 80 Gln Leu Phe
206 208 209 211 212 213 214 215 216 217 218 229 221 222 223 224 225 226 227 228 229	<21: <220 <400 Ser 1 Arg His Gly Gly 65 Leu Val	3 > OH O > FI 3 > OH O > SH Pro Asp Pro Glu 50 Ala Gly Arg Pro Ser 130	EATURETHER EQUENT Ala Ser Leu 35 Trp Pro Leu Gln 115 Phe	ISM: RE: INFO NCE: Pro His 20 Pro Lys Thr Thr Leu 100 Gly	ORMATORY 7 Pro 5 Val Thr Thr Leu Cys 85 Leu Arg	PION Ala Leu Pro Gln Leu 70 Leu Gly Thr	Cys His Val Met 55 Leu Ser Ala Thr Leu 135	Asp Ser Leu 40 Glu Glu Ser Leu Ala 120 Arg	Leu Arg 25 Leu Glu Gly Leu Gln 105 His	Arg 10 Leu Pro Thr Val Leu 90 Ser Lys	Val Ser Ala Lys Met 75 Gly Leu Asp	Gln Val Ala 60 Ala Gln Leu Pro Arg 140	Cys Asp 45 Gln Ala Leu Gly Asn 125 Phe	Pro 30 Phe Asp Arg Ser Thr 110 Ala Leu	15 Glu Ser Ala Gly Gly 95 Gln Ile Met	Val Leu Gln 80 Gln Leu Phe Leu

Input Set : A:\MER-141-SEQLST.txt

Output Set: N:\CRF4\01032006\J561097.raw

150 160 231 145 232 Asn Ala Ser Arg Thr Ser Leu Val Leu Thr Leu Asn Glu Leu 165 236 <210> SEQ ID NO: 8 237 <211> LENGTH: 174 238 <212> TYPE: PRT 239 <213> ORGANISM: Artificial Sequence 241 <220> FEATURE: 242 <223> OTHER INFORMATION: Modified human TPO 244 <400> SEQUENCE: 8 245 Ser Pro Ala Pro Pro Ala Cys Asp Leu Arg Val Leu Ser Lys Leu Leu 5 247 Arg Asp Ser His Val Leu His Ser Arg Leu Ser Gln Cys Pro Glu Val 248 20 25 249 His Pro Leu Pro Thr Pro Val Leu Leu Pro Ala Val Asp Phe Ser Leu 250 35 251 Gly Glu Trp Lys Thr Gln Met Glu Glu Thr Lys Ala Gln Asp Thr Leu 55 253 Gly Ala Ala Thr Leu Leu Clu Gly Val Met Ala Ala Arg Gly Gln 70 255 Leu Gly Pro Thr Cys Leu Ser Ser Leu Leu Gly Gln Leu Ser Gly Gln 90 257 Val Arg Leu Leu Gly Ala Leu Gln Ser Leu Leu Gly Thr Gln Leu 100 105 259 Pro Pro Gln Gly Arg Thr Thr Ala His Lys Asp Pro Asn Ala Ile Phe 260 115 120 125 261 Leu Ser Phe Gln His Leu Leu Arg Gly Lys Val Arg Phe Leu Met Leu 135 263 Val Gly Gly Ser Thr Leu Cys Val Arg Arg Ala Pro Pro Thr Thr Ala 150 155 265 Asn Ala Ser Arg Thr Ser Leu Val Leu Thr Leu Asn Glu Leu 165 269 <210> SEQ ID NO: 9 270 <211> LENGTH: 174 271 <212> TYPE: PRT 272 <213> ORGANISM: Artificial Sequence 274 <220> FEATURE: 275 <223> OTHER INFORMATION: Modified human TPO 277 <400> SEQUENCE: 9 278 Ser Pro Ala Pro Pro Ala Cys Asp Leu Arg Val Leu Ser Lys Leu Leu 1.0 5 280 Arg Asp Ser His Val Leu His Ser Arg Leu Ser Gln Cys Pro Glu Val 20 25 282 His Pro Leu Pro Thr Pro Val Leu Leu Pro Ala Val Asp Phe Ser Leu 40 284 Gly Glu Trp Lys Thr Gln Ala Glu Glu Thr Lys Ala Gln Asp Ala Leu 55 286 Gly Ala Ala Thr Leu Leu Glu Gly Val Met Ala Ala Arg Gly Gln

287 65

RAW SEQUENCE LISTING ERROR SUMMARY

PATENT APPLICATION: US/10/561,097

DATE: 01/03/2006 TIME: 11:00:01

Input Set : A:\MER-141-SEQLST.txt

Output Set: N:\CRF4\01032006\J561097.raw

Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220>

to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:1; Xaa Pos. 50,51,55,58,60,61,63,67,69,71,72,161,162

VERIFICATION SUMMARY

L:81 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1 after pos.:160

DATE: 01/03/2006 TIME: 11:00:01

PATENT APPLICATION: US/10/561,097

Input Set : A:\MER-141-SEQLST.txt
Output Set: N:\CRF4\01032006\J561097.raw

L:12 M:270 C: Current Application Number differs, Replaced Current Application Number

Number
L:13 M:271 C: Current Filing Date differs, Replaced Current Filing Date
L:33 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!
L:41 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:1
L:49 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:1
L:56 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:1
L:60 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:1
L:67 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1 after pos.:48
L:69 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1 after pos.:64